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| Terms | Documents |
|---|-----------|
| poppy and (cytochrome adj p450 adj reductase\$) | 3 |

Database:

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Refine Search:

poppy and (cytochrome adj p450 adj
reductase\$)

Clear**Search History****Today's Date: 12/28/2001**

| <u>DB Name</u> | <u>Query</u> | <u>Hit Count</u> | <u>Set Name</u> |
|-------------------------------|--|------------------|-----------------|
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | poppy and (cytochrome adj p450 adj reductase\$) | 3 | <u>L2</u> |
| USPT,PGPB,JPAB,EPAB,DWPI,TDBD | alkaloid same straw | 6 | <u>L1</u> |

WEST[Generate Collection](#)**Search Results - Record(s) 1 through 6 of 6 returned.**☐ 1. Document ID: US 6067749 A

L1: Entry 1 of 6

File: USPT

May 30, 2000

US-PAT-NO: 6067749

DOCUMENT-IDENTIFIER: US 6067749 A

TITLE: Papaver somniferum strain with high concentration of thebaine and oripavine

DATE-ISSUED: May 30, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------------|----------|-------|----------|---------|
| Fist; Anthony John | Norwood | | | AUX |
| Byrne; Christopher James | Westbury | | | AUX |
| Gerlach; Wayne Lyle | Killara | | | AUX |

US-CL-CURRENT: 47/58.1; 424/780, 514/289, 800/295

| | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--------|------|-----------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KMIC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|--------|------|-----------|-------|

☐ 2. Document ID: WO 9802033 A1

L1: Entry 2 of 6

File: EPAB

Jan 22, 1998

PUB-NO: WO009802033A1

DOCUMENT-IDENTIFIER: WO 9802033 A1

TITLE: IMPROVED PRODUCTION OF THEBAINE AND ORIPAVINE

PUBN-DATE: January 22, 1998

INVENTOR-INFORMATION:

| NAME | COUNTRY |
|--------------------------|---------|
| FIST, ANTHONY JOHN | AU |
| BYRNE, CHRISTOPHER JAMES | AU |

INT-CL (IPC): A01H 1/06

EUR-CL (EPC): A01H005/04; C07D489/02

| | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--------|------|-----------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KMIC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|--------|------|-----------|-------|

☐ 3. Document ID: AU 200032655 A, WO 200058333 A1

L1: Entry 3 of 6

File: DWPI

Oct 16, 2000

DERWENT-ACC-NO: 2000-656158

DERWENT-WEEK: 200106

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TITLE: Novel genes encoding codeinone reductase enzyme derived from alkaloid poppy plant useful for altering the yield or type of alkaloid in poppy plants

INVENTOR: ATKINS, D G; FIST, A J ; KUTCHAN, T M ; ZENK, M H

PRIORITY-DATA: 1999AU-0009463 (March 26, 1999)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|-----------------|------------------|----------|-------|------------|
| AU 200032655 A | October 16, 2000 | | 000 | C07H021/04 |
| WO 200058333 A1 | October 5, 2000 | E | 047 | C07H021/04 |

INT-CL (IPC): C07H 21/04; C12N 5/10; C12N 9/02; C12N 9/04; C12N 15/29; C12N 15/53

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|--------|------|-----------|-------|
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☐ 4. Document ID: WO 9911765 A1, AU 9888455 A, EP 1053303 A1

L1: Entry 4 of 6

File: DWPI

Mar 11, 1999

DERWENT-ACC-NO: 1999-214703

DERWENT-WEEK: 200171

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TITLE: Nucleic acid encoding cytochrome P-450 reductase from poppy

INVENTOR: ATKINS, D G; FIST, A J ; KUTCHAN, T M ; ZENK, M H

PRIORITY-DATA: 1997AU-0008872 (August 29, 1997)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---------------|-------------------|----------|-------|------------|
| WO 9911765 A1 | March 11, 1999 | E | 057 | C12N009/02 |
| AU 9888455 A | March 22, 1999 | | 000 | C12N009/02 |
| EP 1053303 A1 | November 22, 2000 | E | 000 | C12N009/02 |

INT-CL (IPC): C12N 9/02; C12N 15/53

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |
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☐ 5. Document ID: WO 9802033 A1, AU 9733289 A, EP 914038 A1, SK 9801780 A3, US 6067749 A, HU 200002214 A2, AU 200148054 A

L1: Entry 5 of 6

File: DWPI

Jan 22, 1998

DERWENT-ACC-NO: 1998-145212
DERWENT-WEEK: 200156
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TITLE: Improved poppy straw of stably reproducing Papaver somniferum - useful for extraction of thebaine and/or oripavine used in production of pharmaceutically useful 14-hydroxy-morphinans.

INVENTOR: BYRNE, C J ; FIST, A J ; GERLACH, W L

PRIORITY-DATA: 1996US-0678208 (July 11, 1996), 2001AU-0048054 (May 25, 2001)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|-----------------|-------------------|----------|-------|------------|
| WO 9802033 A1 | January 22, 1998 | E | 030 | A01H001/06 |
| AU 9733289 A | February 9, 1998 | | 000 | A01H001/06 |
| EP 914038 A1 | May 12, 1999 | E | 000 | A01H001/06 |
| SK 9801780 A3 | July 12, 1999 | | 000 | A01H001/06 |
| US 6067749 A | May 30, 2000 | | 000 | A01B079/00 |
| HU 200002214 A2 | February 28, 2001 | | 000 | A01H001/06 |
| AU 200148054 A | August 2, 2001 | | 000 | A01H001/06 |

INT-CL (IPC): A01B 79/00; A01H 1/06

| Full | Title | Citation | Front | Review | Classification | Date | Reference |
|------|-------|----------|-------|--------|----------------|------|-----------|
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| KWIC | Draw Desc | Image |
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☐ 6. Document ID: AU 9183693 A, AU 646074 B

L1: Entry 6 of 6

File: DWPI

Mar 12, 1992

DERWENT-ACC-NO: 1992-159704
DERWENT-WEEK: 199220
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TITLE: Poppy treatment with herbicide or thidiazuron - for useful physiological biochemical or anatomical changes of alkaloid content and/or morphology

INVENTOR: SCOTT, D M

PRIORITY-DATA: 1990AU-0002160 (September 7, 1990)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|--------------|------------------|----------|-------|------------|
| AU 9183693 A | March 12, 1992 | | 032 | A01H003/04 |
| AU 646074 B | February 3, 1994 | | 000 | A01H003/04 |

INT-CL (IPC): A01H 3/04

| Full | Title | Citation | Front | Review | Classification | Date | Reference |
|------|-------|----------|-------|--------|----------------|------|-----------|
|------|-------|----------|-------|--------|----------------|------|-----------|

| KWIC | Draw Desc | Image |
|------|-----------|-------|
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